

Faculty Profile

Brief Profile (Few Paragraphs)

Personal Information

- **Name:** Dr.D.Ranganath
- **Designation:** Dean-Placement and Training/Associate Professor in the Department of Chemical Engineering
- **Department:** Placement and Training/Chemical Engineering
- **Email:** ranganathd@rvce.edu.in
- **Phone:** 080-68188269



Domain of Expertise: Natural drug molecules/Corporate relationship

Research Focus

- **Primary Area:** Synthesis of Natural drug molecules
- **Allied Areas:**
 - Renewable Energy
 - Reverse micellar extraction

Academic Qualifications

- **Ph.D.:** Synthesis of Reserpine, VTU, 2020
- **M.Tech:** Chemical Engineering, Bharathiyar University, Coimbatore, 1992
- **B.E.:** Chemical Engineering, Bangalore University, 1990

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1	CWell drugs Pvt Ltd, Hyderabad	Design Engineer	12 th August 1990 to 14 th February 1991
2	Eimco-KCP, Chennai	Project Engineer	10 th December 1992 to 14 th March 1994
3	MIT, Manipal	Lecturer	15 th March 1994 to 28 th September 1994
4	RVCE, Bangalore	Lecturer, Sr.Lecturer, Assistant Professor, Associate Professor in the department of Chemical Engineering Dean-Placement and Training	29 th September 1994 to till date

Publications & Patents

Journal Publications

- D.Ranganath, Vishnu V Bhaskar, A Review on Synthesis Methods of Lithium Nickel Cobalt Aluminum Oxide Cathode Material for Lithium ion Batteries, Seybold Report, Volume 15 - Issue 8 – 2020
- Manjunatha, Preran Roa, Parth Bharadwaj, Raju and Ranganath D, New insights into synthesis, morphological architecture and biomedical applications of elemental selenium nanostructures, IOP Science journal, Biomedical materials, 12th October 2020.
- D.Ranganath, Dr.M.A.Lourdu Antony Raj, “Studies on Extraction Behaviour of Reserpine during Reverse micellar extraction from Raoulfia vommtoria” International Journal of Innovative Research in Science, Engineering and Technology, Vol.4, Issue 3, March 2015.

Conference Papers

- D.Ranganath, “Isolation of Lysozyme using Reverse Micellar Extraction from papaya fruit latex” National Conference on Frontiers in Chemical Engineering-NCFCE-2007, Department of Chemical Engineering, Indian Institute of Technology, Guwahati, December 12-14, 2007
- D.Ranganath,” Herbal Molecules-A new avenue for Entrepreneurial opportunities”, National Conference on Entrepreneurship-A Ray of Hope, Post graduate centre for Management studies and Research, SDM College of Business Management, Mangalore, April 4, 2009
- D.Ranganath, Dr.M.A.Lourdu Antony Raj, “Studies on Extraction of Reserpine” National Conference on Utilization of Bio- Diversity for value added products: Food,Pharma,Nutraceutical and Biofuels-NCUBD-2015, Dayananda Sagar College of Engineering, Bangalore September 25-26, 2015
- D.Ranganath,”Synthesis of Reserpine from Raoulfia vommtoria using Reverse Micellar Extraction” National Conference on Recent Innovations in Process Engineering and Sustainability-RIPES-2016, Department of Chemical Engineering, KLE Dr.M.S. Sheshgiri College of Engineering and Technology, Belagavi, April 22-23, 2016
- D.Ranganath, Dr.M.A.Lourdu Antony Raj, ”Extraction of Reserpine from Rauwolfia vomitoria’ National level Conference on Novel products and process in Chemical Engineering, St.Joseph’s College of Engineering, Chennai, January 21-22, 2005.
- D.Ranganath, Dr.M.A.Lourdu Antony Raj, “Studies on reaction and protein extraction in reverse micellar media” National Seminar on Protein Engineering-NSPE-2005, Faculty of Engineering and Technology, Annamalai University, March 7-8, 2005

Professional Memberships

Life member of Indian Institute of Chemical Engineers (IICChE)

Awards & Recognitions

- Won the prestigious Motorola scholar award for the work on Studies on Biofuel from algae
- Won Entrepreneurship Development Cell, RVCE under NSTEDB, DST best project award for the work on conversion of plastic waste diesel oil

Involved in the following research work

- Studies on extraction of reserpine using raulfia vomotoria
- Design and development of water purifier for rural application
- Design and development of SiO₂ based catalyst for conversion of plastic waste to diesel oil
- Extraction of oil from Algae
- Conversion of rubber waste to domestic products
- Synthesis of Zinc based catalyst for conversion of rice straw into butanol
- Development of Biological treatment of pharmaceutical industrial waste at CIPLA
- Design of pyrolysis chamber for conversion of rice straw into hydrocarbon vapor

Student Supervision

- M.Tech: Students: 5
- Undergraduate Research Mentees: 18

Teaching: (Current semester)

Core Courses: Principles of Management and Entrepreneurship (HS261TA)

Professional Roles:

- **Member of Research advisory board**, Ministry of Environment, Forest and climate change, GoI
- **Industry Advisor:** Advisor to Fullerine Chemicals, Biogen Extracts Pvt Ltd, Sabado Technologies
- **Advisory committee member:** Atmanirbhar bharat implementation team

Responsibilities

- Staff Placement Coordinator for Department of Chemical Engineering 1998-2010
- VTU Coordinator: 2002 to 2005
- Warden, RV Boys Hostel 2006 – 2011
- Associate Dean – Department of Placement & Training 2010-2013
- Dean – Department of Placement & Training 2014 till date

External Connect

Member of BoS, BMSCE,Bangalore,SIT, Tumkur, SDM,Dharwad